

FG Series

ARM Purification offers world class ambient operation purifier technology optimized for a wide range of flow rates.

The FG series purifiers are engineered to remove impurities from fluorocarbon gases, such as CF_4 , C_2F_6 , C_3F_8 , C_4F_8 , CClF_3 , CCl_2F_2 , CCl_4 , CHF_3 , CH_3F



FG Series Media

Fill Material	Impurities Removed
FG-901	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC, Acids, Bases, Refractory Compounds
FG-902	H ₂ O, H ₂ , O ₂ , CO, CO ₂ , NMHC
FG-903	H ₂ O

FG Series Size

Model	Diameter	Length	Maximum Pressure	Nominal Flow Rates (slpm)			Max Flow Rates (slpm)
Number	Inches	Inches	Rating (psig)	FG-901*	FG-902*	FG-903**	
150330	1.50	3.30	250	0.4	0.7	1.7	2
150480	1.50	4.80	250	0.9	1.6	3.9	9.4
150500	1.50	5.00	250	1	1.7	4.2	10.1
200630	2.00	6.30	250	2.6	4.6	11.2	30
200820	2.00	8.20	250	3.8	7	16.4	45
200880	2.00	8.80	250	4.1	7.6	18.1	49
251250	2.50	12.50	250	11	19	45	100
300794	3.00	7.94	200	8	14	34	80
300820	3.00	8.20	200	8	17	36	80
301000	3.00	10.00	200	11	20	47	105

* based on 1 ppm O₂

** based on 3 ppm H₂O

The FG series is designed for high and ultra high purity applications that require process gas impurity levels of 100 PPT or less.

KEY FEATURES

- 316L stainless filtration media
- 1.5nm outlet filtration
- 316L stainless steel fiber media
- Simple installation
- CE certification available

OPERATING CONDITIONS

- Typical operating temperature range of 0°C–50°C (32°F–122°F)
- Max operating temperature of 50°C (122°F)
- Nominal flow rate of 0.4 slpm to 47 slpm (depending on vessel size)

ORDERING INFORMATION

Example: Fluorocarbon Gas Purifier



Class

FG = Fluorocarbon Gas

Fill

Additional fill options available (see **FG Series Media** chart for details)

Size

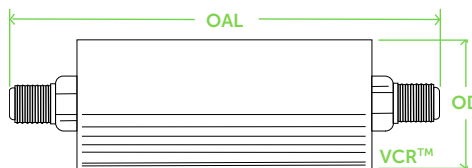
First two digits are the diameter (OD); Last four digits are the length (OAL) in inches.

Fittings

V04=1/4" V12=3/4"
V08=1/2" V16=1"

Filtration

No letter = .1 micron filter
F = 1.5nm filter



DON'T SEE WHAT YOU NEED?

Speak to our team about your requirements and we can work with you to identify the purifier solution best suited for your application.

Place an Order

orders@appliedenergysystems.com

Contact your ARM Purification sales rep or visit armpurification.com/request-quote/



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